

East 4/9/04

L Number	Hits	Search Text	DB	Time stamp
2	3	brake\$ same motor same caliper same fail\$4 and fail\$4 with spring	EPO; JPO; DERWENT USPAT; US-PGPUB	2004/04/09 06:57
1	14	brake\$ same motor same caliper same fail\$4 and fail\$4 with spring	USPAT; US-PGPUB	2004/04/09 06:59
3	1	brake\$ same (electromagnet\$4 or motor) and fail\$4 and fail\$4 with spring with rotary adj actuator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:01
4	1	brake\$ same (electromagnet\$4 or motor) and fail\$4 with spring with rotary adj actuator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:04
5	1885	brake\$ same (electromagnet\$4 or motor) same caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:02
7	0	(brake\$ same (electromagnet\$4 or motor) same caliper) and torsion with spring with fail\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:02
6	26	(brake\$ same (electromagnet\$4 or motor) same caliper) and torsion with spring	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:03
8	12326	brake\$ same (electromagnet\$4 or motor) same releas\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:04
9	8048	brake\$ same (electromagnet\$4 or motor) same releas\$4 near3 brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:04
10	5294	brake\$ with (electromagnet\$4 or motor) with releas\$4 near3 brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:05
11	175	brake\$ with (electromagnet\$4 or motor) with releas\$4 near3 brak\$4 with fail\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:06
12	4	brake\$ with (electromagnet\$4 or motor) with releas\$4 near3 brak\$4 with fail\$4 with spring with (torsion or torque)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:06
13	4	brake\$ with (electromagnet\$4 or motor) with releas\$4 near3 brak\$4 with fail\$4 with caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:18
14	17	("1501677"   "3984083"   "4020923"   "4328871"   "4371058"   "4390161"   "4581987"   "4595081"   "4760895"   "4871033"   "5346045"   "5572505"   "5986369"   "6325182"   "6340077"   "6349801"   "6471017").PN.	USPAT	2004/04/09 07:16
15	188	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:19
16	320	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:19
17	0	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster) with limiter	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:19

18	19	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster) with limit\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:24
19	19	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster) with caliper	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:25
20	2	brake\$ with (electromagnet\$4 or motor or motordriven) with (automatic adj adjust\$4 or wear adj compensat\$ or wear adj adjust\$4 or slack adj adjust\$5 or adjuster) with caliper with (torque or torsion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:25
21	33	Usui.in. and caliper same brak\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/09 07:27
22	9	(US-6571921-\$ or US-6349801-\$ or US-6257377-\$ or US-5829557-\$ or US-5496102-\$).did. or (US-20030066719-\$ or US-20020023806-\$ or US-20040035655-\$).did. or (US-20030136616-\$).did.	USPAT; US-PGPUB; DERWENT	2004/04/09 07:30
23	3	(("6571921") or ("6491140") or ("6374958")).PN.	USPAT; US-PGPUB	2004/04/09 07:32
24	2	(US-6491140-\$ or US-6374958-\$).did.	USPAT	2004/04/09 07:40
25	0	("tokio.asn.andcaliperwithbrak\$").PN.	USPAT; US-PGPUB	2004/04/09 07:43
26	0	tokio.asn. and caliper with brak\$	USPAT; US-PGPUB	2004/04/09 07:43
27	88	tokico.asn. and caliper with brak\$	USPAT; US-PGPUB	2004/04/09 07:45
28	279	tokico.asn. and caliper with brak\$	EPO; JPO; DERWENT	2004/04/09 07:46
29	44	tokico.asn. and caliper with brak\$ with (motor or motordriven or electromagnet\$)	EPO; JPO; DERWENT	2004/04/09 07:46
30	3	tokico.asn. and caliper with brak\$ with (motor or motordriven or electromagnet\$) with (spring or wear or fail\$4 or defect\$4)	EPO; JPO; DERWENT	2004/04/09 07:50

31	147	("5394699" "5462137" "5689994" "6030054" "6095298" "6142030" "6370975" "6481805" "6059379" "6059379" "5306989" "5406180" "5636444" "5855255" "5873434" "6431317" "4574924" "4604915" "5467597" "6030194" "6357558" "6405835" "6571921" "6059076" "6059076" "4006802" "4267903" "5388669" "5614778" "6056090" "6098762" "5975250" "5826683" "5823053" "4339984" "4928797" "5496102" "5826952" "6230492" "4381047" "4621833" "4922121" "5020322" "5022367" "5239897" "5586623" "5716111" "5931268" "5957246" "6164183").pn. ("6334371" "4865163" "4338787" "4384458" "4461371" "4546860" "4881623" "5348122" "5622142" "5850810" "6125819" "4926977" "4300082" "4614380" "4569234" "5195697" "5305966" "5360175"	USPAT; US-PGPUB	2004/04/09 07:50
Search History	4/9/04 7:55:46 AM	Page 3		

-	2	6179097.pn. or 6257377.pn.	USPAT; US-PGPUB	2004/04/09 06:20
-	0	wo0060255	USPAT; US-PGPUB	2004/04/09 06:20
-	15	brake\$ same motor same caliper same fail\$4	EPO; JPO; DERWENT	2004/04/09 06:43
-	35	brake\$ same motor same caliper same fail\$4	USPAT; US-PGPUB	2004/04/09 06:56

PLUS 4/9/04

**Butler, Douglas**

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**From:** PLUS  
**Sent:** Wednesday, March 03, 2004 9:09 AM  
**To:** Butler, Douglas  
**Subject:** PLUS Results for 10721188

Here are the PLUS search results for 10721188.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10721188\_QUAL.txt



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10721188\_WEST.txt



10721188\_EAST.txt



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10721188\_LIST

PLUS Search Results for S/N 10721188, Searched March 03, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10721188\_CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10721188 on March 03, 2004

Original Classifications

5	188/72.1
4	188/71.5
4	188/72.6
3	188/156
3	188/162
3	188/171
3	188/71.9
2	60/442
2	60/562
2	74/335
2	74/89.32
2	123/45A
2	188/173
2	188/352
2	188/72.8
2	303/15
2	318/254
2	318/372
2	360/256.3
2	360/78.12
2	405/198

Cross-Reference Classifications

8	188/162
8	188/72.3
6	188/156
6	188/170
6	188/171
6	188/196R
5	188/158
5	188/72.7
5	303/20
4	188/1.11E
4	188/71.8
4	188/72.8
4	192/90
4	310/77
3	60/589
3	188/18A
3	188/71.9
3	188/72.1
3	188/72.9
3	303/3
3	310/93
3	360/75
2	60/545
2	60/578
2	60/588
2	74/411.5
2	74/625
2	74/89.25
2	74/89.37
2	91/376R
2	114/265

2 188/1.11L  
2 188/1.11R  
2 188/106F  
2 188/106P  
2 188/161  
2 188/196BA  
2 188/196P  
2 188/72.4  
2 192/111A  
2 192/30V  
2 251/129.13  
2 251/216  
2 303/191  
2 318/138  
2 318/376  
2 318/439  
2 405/196  
2 405/203  
2 415/123

Combined Classifications

11 188/162  
9 188/156  
9 188/171  
8 188/72.1  
8 188/72.3  
7 188/170  
6 188/196R  
6 188/71.9  
6 188/72.8  
6 303/20  
5 188/1.11E  
5 188/158  
5 188/71.5  
5 188/71.8  
5 188/72.6  
5 188/72.7  
5 310/77  
4 188/18A  
4 188/72.9  
4 192/90  
4 303/3  
4 310/93  
4 360/75  
3 60/545  
3 60/589  
3 74/335  
3 74/89.25  
3 123/45A  
3 188/1.11L  
3 188/161  
3 188/173  
3 318/254  
2 60/442  
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2 74/411.5  
2 74/473.12

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2 74/625  
2 74/89.32  
2 74/89.37  
2 91/376R  
2 114/265  
2 123/316  
2 188/1.11R  
2 188/1.11W  
2 188/106F  
2 188/106P  
2 188/196BA  
2 188/196P  
2 188/352  
2 188/71.4  
2 188/72.4  
2 188/73.38  
2 192/111A  
2 192/30V  
2 251/129.13  
2 251/216  
2 303/115.2  
2 303/15  
2 303/191  
2 310/80  
2 318/138  
2 318/372  
2 318/376  
2 318/439  
2 360/256.3  
2 360/78.12  
2 405/196  
2 405/198  
2 405/203  
2 415/123

10721188\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10721188 on March 03, 2004

11 188/162 (3 OR, 8 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/158 .Electric  
188/161 ..Electromagnet  
188/162 ...Rotary motor

9 188/156 (3 OR, 6 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/156 .Electric and mechanical

9 188/171 (3 OR, 6 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/166 .Spring  
188/171 ..Electric release

8 188/72.1 (5 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element

8 188/72.3 (0 OR, 8 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.3 ...And means for retracting brake element

7 188/170 (1 OR, 6 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/166 .Spring  
188/170 ..Fluid-pressure release

6 188/196R (0 OR, 6 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/196R .Slack

6 188/71.9 (3 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.7 ..With means to adjust for wear of brake  
188/71.8 ...Self-adjusting means  
188/71.9 ....Including unidirectionally rotating screw

6 188/72.8 (2 OR, 4 XR)

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Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.7 ...By inclined surface (e.g., wedge, cam or  
screw)  
188/72.8 ....Screw or helical cam

6 303/20 (1 OR, 5 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/20 ELECTRIC CONTROL

5 188/1.11E (1 OR, 4 XR)  
Class 188 : BRAKES  
188/1.11R WITH CONDITION INDICATOR  
188/1.11E .Electrical

5 188/158 (0 OR, 5 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/158 .Electric

5 188/71.5 (4 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.5 ..Plural rotating elements (e.g., "multidisc")

5 188/71.8 (1 OR, 4 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.7 ..With means to adjust for wear of brake  
188/71.8 ...Self-adjusting means

5 188/72.6 (4 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston  
188/72.6 ....And/or mechanical linkage

5 188/72.7 (0 OR, 5 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.7 ...By inclined surface (e.g., wedge, cam or  
screw)

5 310/77 (1 OR, 4 XR)  
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE

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310/10 DYNAMOELECTRIC  
310/40R .Rotary  
310/66 ..With other elements  
310/75R ...Drive mechanism  
310/77 ....Brake

4 188/18A (1 OR, 3 XR)  
Class 188 : BRAKES  
188/2R VEHICLE  
188/17 .Hub or disk  
188/18R ..Motor vehicle  
188/18A ...Disc brakes

4 188/72.9 (1 OR, 3 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.9 ...By pivoted lever

4 192/90 (0 OR, 4 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/82R .Operators  
192/89.2 ..Spring engaged  
192/90 ...Electric release

4 303/3 (1 OR, 3 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/2 MULTIPLE SYSTEMS  
303/3 .Fluid pressure and electric

4 310/93 (1 OR, 3 XR)  
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE  
310/10 DYNAMOELECTRIC  
310/40R .Rotary  
310/92 ..Torque-transmitting clutches or brakes  
310/93 ...Brake type

4 360/75 (1 OR, 3 XR)  
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR  
RETRIEVAL  
360/69 AUTOMATIC CONTROL OF A RECORDER MECHANISM  
360/75 .Controlling the head

3 60/545 (1 OR, 2 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/545 ..Having electricity or magnetically operated  
structure

3 60/589 (0 OR, 3 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/585 ..Holder for reserve liquid feeds master  
60/589 ...Master piston or its actuator mechanically

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operates valve between holder and master cylinder

3 74/335 (2 OR, 1 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/640 GEARING  
74/325 .Interchangeably locked  
74/335 ..Control mechanism

3 74/89.25 (1 OR, 2 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/840 ROTARY DRIVEN DEVICE ADJUSTABLE DURING  
OPERATION RELATIVE TO ITS SUPPORTING STRUCTURE  
74/89 .Reciprocating or oscillating to or from  
alternating rotary  
74/89.23 ..Including screw and nut  
74/89.25 ...Auxiliary drive (e.g., fluid piston, etc.)  
for load

3 123/45A (2 OR, 1 XR)  
Class 123 : INTERNAL-COMBUSTION ENGINES  
123/45R ROTARY RECIPROCATING PISTON  
123/45A .Piston and crankshaft coaxial

3 188/1.11L (1 OR, 2 XR)  
Class 188 : BRAKES  
188/1.11R WITH CONDITION INDICATOR  
188/1.11W .Wear  
188/1.11L ..Electrical

3 188/161 (1 OR, 2 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/158 .Electric  
188/161 ..Electromagnet

3 188/173 (2 OR, 1 XR)  
Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/166 .Spring  
188/171 ..Electric release  
188/173 ...Vehicle

3 318/254 (2 OR, 1 XR)  
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS  
318/254 SELF-COMMUTATED IMPULSE OR RELUCTANCE MOTORS

2 60/442 (2 OR, 0 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/435 .Having a mechanical clutch or brake device in  
the power train  
60/442 ..Device holds output in adjusted position

2 60/562 (2 OR, 0 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/562 ..Master piston of one pulsator circuit drives  
master piston of a parallel circuit through a resilient,

10721188\_CLSTITLES  
fluid or lost motion connection

2 60/578 (0 OR, 2 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/574 ..Automatic control of plural stage pressure generation or utilization  
60/578 ...Unitarily movable displacer delivers fluid from two delivery chambers, one chamber being ineffective under high pressure delivery

2 60/588 (0 OR, 2 XR)  
Class 060 : POWER PLANTS  
60/325 PRESSURE FLUID SOURCE AND MOTOR  
60/533 .Pulsator  
60/585 ..Holder for reserve liquid feeds master  
60/588 ...Master piston traps liquid on advance across a feed port in cylinder wall

2 74/411.5 (0 OR, 2 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/640 GEARING  
74/411.5 .With brake means for gearing

2 74/473.12 (1 OR, 1 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/469 CONTROL LEVER AND LINKAGE SYSTEMS  
74/471R .Multiple controlled elements  
74/473.1 ..Transmission control  
74/473.12 ...Electrical actuator

2 74/625 (0 OR, 2 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/625 ALTERNATE MANUAL OR POWER OPERATORS

2 74/89.32 (2 OR, 0 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/840 ROTARY DRIVEN DEVICE ADJUSTABLE DURING OPERATION RELATIVE TO ITS SUPPORTING STRUCTURE  
74/89 .Reciprocating or oscillating to or from alternating rotary  
74/89.23 ..Including screw and nut  
74/89.32 ...Carriage surrounding, guided by, and primarily supported by member other than screw (e.g., linear guide, etc.)

2 74/89.37 (0 OR, 2 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
74/840 ROTARY DRIVEN DEVICE ADJUSTABLE DURING OPERATION RELATIVE TO ITS SUPPORTING STRUCTURE  
74/89 .Reciprocating or oscillating to or from alternating rotary  
74/89.23 ..Including screw and nut  
74/89.37 ...Limit stop

2 91/376R (0 OR, 2 XR)  
Class 091 : MOTORS: EXPANSIBLE CHAMBER TYPE  
91/358R WORKING MEMBER POSITION FEEDBACK TO MOTIVE

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FLUID CONTROL

91/368 .Follower type  
91/374 ..Plural movable valve parts  
91/376R ...One movable part unitary with working member

2 114/265 (0 OR, 2 XR)

Class 114 : SHIPS  
114/264 FLOATING PLATFORM  
114/265 .Multiple leg

2 123/316 (1 OR, 1 XR)

Class 123 : INTERNAL-COMBUSTION ENGINES  
123/311 FOUR-CYCLE  
123/316 .Having subcharger associated with the cylinder

2 188/1.11R (0 OR, 2 XR)

Class 188 : BRAKES  
188/1.11R WITH CONDITION INDICATOR

2 188/1.11W (1 OR, 1 XR)

Class 188 : BRAKES  
188/1.11R WITH CONDITION INDICATOR  
188/1.11W .Wear

2 188/106F (0 OR, 2 XR)

Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/105 .Multiple  
188/106R ..Vehicle  
188/106F ...Fluid and mechanical

2 188/106P (0 OR, 2 XR)

Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/105 .Multiple  
188/106R ..Vehicle  
188/106P ...Plural systems

2 188/196BA (0 OR, 2 XR)

Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/196R .Slack  
188/196B ..Ratchet  
188/196BA ...Rotatable

2 188/196P (0 OR, 2 XR)

Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/196R .Slack  
188/196P ..Friction

2 188/352 (2 OR, 0 XR)

Class 188 : BRAKES  
188/381 FRICTIONAL VIBRATION DAMPER  
188/151R .Fluid pressure  
188/152 ..Road vehicle  
188/352 ...With bleeding or filling device

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2 188/71.4 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/71.3 ..Antipodal, relatively separable brake  
elements  
188/71.4 ...Annular elements

2 188/72.4 (0 OR, 2 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/72.1 ..With means for actuating brake element  
188/72.4 ...By fluid pressure piston

2 188/73.38 (1 OR, 1 XR)  
Class 188 : BRAKES  
188/67 ROD  
188/71.1 .Axially movable brake element or housing  
therefor  
188/73.31 ..Retainer for brake element  
188/73.37 ...Having means to prevent vibration of brake  
element  
188/73.38 ....Spring

2 192/111A (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/111R .Wear compensators  
192/111A ..Automatic wear compensators

2 192/30V (0 OR, 2 XR)  
Class 192 : CLUTCHES AND POWER-STOP CONTROL  
192/30R CLUTCHES  
192/30V .Vibration dampers

2 251/129.13 (0 OR, 2 XR)  
Class 251 : VALVES AND VALVE ACTUATION  
251/129.01 ELECTRICALLY ACTUATED VALVE  
251/129.11 .Rotary electric actuator  
251/129.13 ..With speed or braking control

2 251/216 (0 OR, 2 XR)  
Class 251 : VALVES AND VALVE ACTUATION  
251/213 MECHANICAL MOVEMENT ACTUATOR  
251/215 .Plural motions of valve  
251/216 ..Screw threads in flow path

2 303/115.2 (1 OR, 1 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/121 SPEED-CONTROLLED  
303/113.1 .Having a valve system responsive to a wheel  
lock signal  
303/115.1 ..System controlled by expandible chamber type  
modulator  
303/115.2 ...Having electric control

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2 303/15 (2 OR, 0 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/13 MULTIPLE CONTROL  
303/15 .Fluid and electric

2 303/191 (0 OR, 2 XR)  
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS  
303/121 SPEED-CONTROLLED  
303/191 .Odd condition or device detection (e.g., fluid  
or brake temperature, hill holder, anti-squeal controller  
acoustic emission)

2 310/80 (1 OR, 1 XR)  
Class 310 : ELECTRICAL GENERATOR OR MOTOR STRUCTURE  
310/10 DYNAMOELECTRIC  
310/40R .Rotary  
310/66 ..With other elements  
310/75R ...Drive mechanism  
310/80 ....Motion conversion

2 318/138 (0 OR, 2 XR)  
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS  
318/138 SPACE-DISCHARGE-DEVICE COMMUTATED MOTOR

2 318/372 (2 OR, 0 XR)  
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS  
318/362 BRAKING  
318/372 .Friction braking

2 318/376 (0 OR, 2 XR)  
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS  
318/362 BRAKING  
318/375 .Dynamic braking  
318/376 ..Regenerative

2 318/439 (0 OR, 2 XR)  
Class 318 : ELECTRICITY: MOTIVE POWER SYSTEMS  
318/439 MOTOR COMMUTATION CONTROL SYSTEMS

2 360/256.3 (2 OR, 0 XR)  
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR  
RETRIEVAL  
360/240 HEAD MOUNTING  
360/250 .For moving head into/out of transducing  
position  
360/254 ..Disk record  
360/256 ...Latch  
360/256.3 ....Electrically driven

2 360/78.12 (2 OR, 0 XR)  
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR  
RETRIEVAL  
360/69 AUTOMATIC CONTROL OF A RECORDER MECHANISM  
360/75 .Controlling the head  
360/78.01 ..Track changing  
360/78.04 ...For rotary carrier (e.g., disc)  
360/78.12 ....Including particular head actuator

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2 405/196 (0 OR, 2 XR)

Class 405 : HYDRAULIC AND EARTH ENGINEERING  
405/195.1 MARINE STRUCTURE OR FABRICATION THEREOF  
405/196 .With work deck vertically adjustable relative  
to floor

2 405/198 (2 OR, 0 XR)

Class 405 : HYDRAULIC AND EARTH ENGINEERING  
405/195.1 MARINE STRUCTURE OR FABRICATION THEREOF  
405/196 .With work deck vertically adjustable relative  
to floor  
405/198 ..Longitudinally extending projections or  
recesses

2 405/203 (0 OR, 2 XR)

Class 405 : HYDRAULIC AND EARTH ENGINEERING  
405/195.1 MARINE STRUCTURE OR FABRICATION THEREOF  
405/203 .Floatable to site and supported by marine  
floor

2 415/123 (0 OR, 2 XR)

Class 415 : ROTARY KINETIC FLUID MOTORS OR PUMPS  
415/122.1 INCLUDING SHAFT TRANSMISSION TRAIN, BRAKE,  
CLUTCH, OR ATTENDANT ACTUATED DRIVE MEANS  
415/123 .Brake or clutch